

SARAH IMAM MD

ASSISTANT PROFESSOR OF HEALTH SCIENCES, DEPT. OF HESS

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Personal History

Place of Birth London, UK
Citizenship USA

Education

The Latymer Grammar School London, United Kingdom	1986-1993 13 GCSE'S 3 "A" Levels
Kings College London - School of Medicine London, United Kingdom	1993-1996 MBBS I
Spartan Health Sciences University Santa Teresa, New Mexico	1996-1997 Basic Science
North Middlesex Hospital, University College London, London, United Kingdom	1997-1998 Clinical
Spartan Health Sciences University	1998 Doctor of Medicine
Fellowship Training Department of Neurology Medical University of South Carolina Charleston, South Carolina	2002-2006 Multiple Sclerosis
Post-Doctoral Fellowship Department of Radiology and Otolaryngology (2007-2010) Medical University of South Carolina	2007-2010 Neuro-radiology

Academic Appointments

Adjunct Professor Department of Health & Physical Education The Citadel Military College Charleston, South Carolina	August 2009-Present Teacher of Contemporary Health, Foundations of Physical Exercise and Medical Terminology
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The Medical University of South Carolina
MCAT preparatory course
Revision Professor

August 2004- August 2008
Biology and English
Anatomy & Physiology,
Pathophysiology, Pathology,
Medical Terminology

Teaching:

Courses Taught at The Citadel

EXSC 317
EXSC 319
EXSC 320
HLED 410
RPED 250
RPED 251

Medical Terminology
Exercise Physiology I
Exercise Physiology II
Consumer Health
Contemporary Health Foundations
Foundations of Fitness

Graduate School

HESS 546
HESS 545
HESS 506

Environmental Physiology
Nutrition
Exercise Physiology

Professional Development

Online Teaching Faculty Academy
Darkness to Light
NSF grant workshop
CitLearn workshop

Service

Judge – Citadel Undergraduate Research Program
Founder Member of Science Education Research Group (SERG)

Research

Co-Primary Investigator
Primary Investigator
Mentor for Student Research

Vitamin D study
Visual-Perception in the Fine Arts
Effect on Academics with early
morning PT

Professional Memberships:

MENSA - UK & International Chapter	1991
British Medical Association	1999
American Academy of Neurology	2004
American Society of Neurochemistry	2004
Southern Medical Association	2006
American Association of Health Education	2009
National Association of Advisors for the Health Professions	2015

Honors and Awards

Selected for Scientific Program Highlights Plenary Session "Calpain Activity and Expression Varies with Severity of Disease in Multiple Sclerosis" San Francisco, American Academy of Neurology	2004
Junior Investigator Award American Academy of Neurology	2005
Resident/Fellow Research Award MUSC Annual Research Day	2006

Publications - (Peer-Reviewed Journal Articles)

- 1 Imam SA, Guyton MK, Haque A, Vandenberg A, Tyor WR, Ray SK, Banik NL
Increased Calpain Correlates with Th1 Cytokine Profile in PBMCs from MS Patients.
Journal of neuroimmunology. 11/2007; 190(1-2):139-45.
- 2 Imam SA, Terry EC, Tyor WR, Ray SK, Banik NL (2004)
Changes in Calpain expression in peripheral blood mononuclear cells from multiple sclerosis
patients.
American Society for Neurochemistry (New York, NY)
- 3 Imam SA, Tyor WR, Banik NL, (2004)
Calpain activity and expression varies with severity of disease in multiple sclerosis.
Neurology 62 (suppl 5):A85
- 4 Garner, D.P., Das, A., Imam, S.A., Wilford, G.G., Del Re, A.M., Kumar, D.M., Woodward,
J.J., Banik, N.L., Agrawal, N., and Ray, S.K.
Calpain prevented apoptosis in rat retinal ganglion cell line RGC-5 exposed to ionomycin
and IFN- γ .
Journal of Neurochemistry. 90 (s1): AP5, 15-19 (5), August 2004.
- 5 Guyton MK, Imam S, Sribnick EA, Matzelle DD, Griesemer DG, Ray SK, Banik NL.
Time Course of Axonal Degeneration and Neuronal Death with Activation of Calpain in
the Spinal Cord of Lewis Rats with Experimental Allergic Encephalomyelitis.
Society for Neuroscience Meeting, San Diego, 2004.
- 6 Chera, B., Schaecher, K., Rocchini, A., Imam, S., Sribnick, E., Ray, S., Ali, S. and Banik, N.
(2004) Brain Res. 1006, 150-156
- 7 Sribnick EA, Guyton MK, Imam S, Ray SK, Banik NL (2005)
Calpain's role as a central mediator in diverse neurodegenerative process.
American Society for Neurochemistry (Madison, WI)

Completed Research - Assistant in clinical trials

1. Assistant Co-Investigator- NIH Loan Repayment Program – The Effects of Gabaergic
Modifiers in Alcohol Craving: A Translational Approach, from Preclinical to Clinical.
(NIH – July 2004 – July 2006) \$70,000.
2. Assistant Co-Investigator - Study Comparing the Effect of Three Doses of CP-866,087 and
Naltrexone on Acute Alcohol Consumption and Craving after Seven Days of Treatment in
Alcohol Dependent (DSM IV) Subjects Who Are Not Currently Seeking Treatment (Pfizer, Inc
– 3/15/03 – 11/30/04).
3. Assistant Co-Investigator - The Effects of Naltrexone and Odansetron on Alcohol
Consumption and Brain Activity in Alcoholics. (National Institute of Health- 7/1/03 –
11/30/04) \$250,000.

4. Assistant Co-Investigator - Biochemical Alcohol Screening in the Treatment of Hypertension. (Medical University of South Carolina- 7/1/03 – 7/2005).
5. Assistant Co-Investigator - A Prospective, Multinational, Multicenter, double-blind, randomized, active-controlled trial to compare the effects of Lotrel to benazepril and hydrochlorothiazide combined on the reduction of cardiovascular morbidity and mortality in patients with high risk hypertension (Novartis, Inc.- 12/1/2004 – present) \$130,000.
6. Assistant Co-Investigator - Renal Safety of Iodixanol in Patients Undergoing Contrast-Enhanced Spiral CT. Funded by GE Healthcare (09/2004-12/2006) \$600,000.
7. Assistant Co-Investigator The Effect of Low-Osmolar and Iso-Osmolar Contrast Media on Erythrocytes in Healthy Volunteers. Funded by GE Healthcare- (11/2005-10/2006) \$25,000.
8. Assistant Co-Investigator - Ultravist 370 mgI/mL: Safety and Efficacy in Computed Tomography of Head and Body. Funded by Berlex Inc. – (10/2005-10/2006) \$131,500.